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; MEMBER; ENCLOSE; ORGANIC; ELECTROLUMINESCENT; STRUCTURE; MIXTURE;
DESICCATE; ORGANIC; COMPOUND; DISPOSABLE; SURFACE; SEAL; MEMBER

Derwent Class: L03; U14; X26

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): H05B-033/14

File Segment: CPI; EPI

Manual Codes (CPI/A-N): L03-C04

Manual Codes (EPI/S-X): U14-J02B; X26-J

WPI Acc No: 2000-658262/ 200064

XRAM Acc No: C00-199315

XRPX Acc No: N00-488059

Organic electroluminescent element for display, has water absorbing layer
of preset thickness fixed internal periphery of container portion which
is sealed to internal periphery of substrate

Patent Assignee: FUTABA DENSHI KOGYO KK (FUTK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|----------|----------|
| JP 2000195662 | A | 20000714 | JP 98373537 | A | 19981228 | 200064 B |

Priority Applications (No Type Date): JP 98373537 A 19981228

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|---------------|------|--------|---------------|--------------|
| JP 2000195662 | A | | 6 H05B-033/04 | |

Abstract (Basic): JP 2000195662 A

NOVELTY - A container portion (9) is sealed to internal periphery
of substrate (2), thus covering organic layer (4). A water absorbing
layer (13) of preset thickness, is fixed to internal periphery of the
container portion.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
manufacturing method of organic EL element.

USE - For display purpose.

ADVANTAGE - Quantity of water absorbing material of water absorbing
layer is comparatively increased, hence dark spot occurrence near
container portion and sealing portion of substrate is suppressed. Since
light emission area is not almost reduced, raise in voltage resulting
from non-light emission area, is suppressed, hence gain of power
consumption is decreased.

DESCRIPTION OF DRAWING(S) - The figure shows sectional view of the
organic EL element.

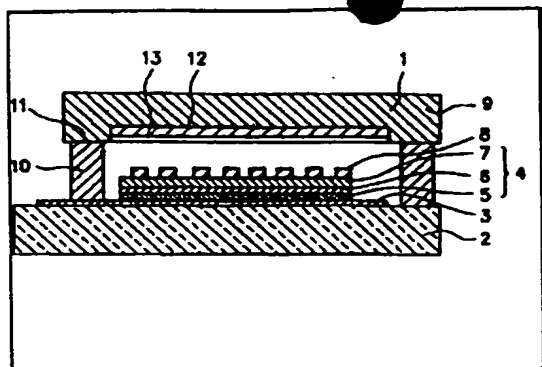
Substrate (2)

Organic layer (4)

Container portion (9)

Water absorbing layer (13)

pp; 6 DwgNo 1/3



Title Terms: ORGANIC; ELECTROLUMINESCENT; ELEMENT; DISPLAY; WATER; ABSORB;
LAYER; PRESET; THICK; FIX; INTERNAL; PERIPHERAL; CONTAINER; PORTION; SEAL
; INTERNAL; PERIPHERAL; SUBSTRATE

Derwent Class: A11; A85; L03; U14

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): H05B-033/10; H05B-033/14

File Segment: CPI; EPI

Manual Codes (CPI/A-N): A12-E11A; L03-C04B

Manual Codes (EPI/S-X): U14-J02B

Polymer Indexing (PS):

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001 018; P0000

002 018; ND01; K9416; K9701 K9676; K9483-R; Q9999 Q7512

WPI Acc No: 2000-509853/ 200046

XRFX Acc No: N00-377471

Organic electroluminescent element used for display, has water catching agent fixed along surface of corrugated portion formed by the meeting of bases and micro recesses of sealing unit

Patent Assignee: FUTABA DENSHI KOGYO KK (FUTK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|----------|----------|
| JP 2000195663 | A | 20000714 | JP 98373544 | A | 19981228 | 200046 B |

Priority Applications (No Type Date): JP 98373544 A 19981228

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|---------------|------|--------|---------------|--------------|
| JP 2000195663 | A | | 8 H05B-033/04 | |

Abstract (Basic): JP 2000195663 A

NOVELTY - The element (6) includes an organic layer (4) formed on an insulated substrate (2) and pinched between the electrodes (3, 5). A sealing unit (7) is fixed to the substrate, sealing the element in the dry condition. The sealing unit has a corrugated portion formed by the meeting of the bases (7aa) and micro recesses (7ab). A water catching agent (11) is fixed along the surface of the corrugated portion.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an organic electroluminescent element manufacture.

USE - Used for display.

ADVANTAGE - Allows specific surface area of water catching agent to be enlarged, thereby enabling water and gas molecules existing in